

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Hiroshi CHIKUMA et al.  
Title: METHOD OF MANUFACTURING  
HEAT EXCHANGER  
Appl. No.: Unassigned  
Filing Date: December 28, 2001  
Examiner: Unassigned  
Art Unit: Unassigned

**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

Hiroshi CHIKUMA  
Yoshinobu OKUNO  
Takahiro NAKAKOMI

Enclosed are:

- [ X ] Specification, Claim(s), and Abstract (35 pages).
- [ X ] Formal drawings (35 sheets, Figures 1A-36C).
- [ X ] Unexecuted Declaration and Power of Attorney (4 pages).
- [ X ] Application Data Sheet (37 CFR 1.76).

The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$740.00	\$740.00
Total Claims:	9	- 20	= 0	x \$18.00	= \$0.00
Independents:	2	- 3	= 0	x \$84.00	= \$0.00
If any Multiple Dependent Claim(s) present:				+ \$280.00	= \$0.00
Surcharge under 37 CFR 1.16(e) for late filing of Executed Declaration and late payment of filing fee				+ \$130.00	= \$130.00
				SUBTOTAL:	= \$870.00
[ ] Small Entity Fees Apply (subtract ½ of above):				=	\$0.00
				TOTAL FILING FEE:	= \$870.00

- [ ] A check in the amount of \$0.00 to cover the filing fee is enclosed.
- [ X ] The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.
- [ ] The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date: December 28, 2001

By Richard L. Schwaab Reg. No. 38,011

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